

AMENDMENTS TO THE CLAIMS

Claims 1-3.(cancelled)

4.(previously presented): The process as claimed in claim 13, further comprising the steps of:

analyzing a catalyst sample and/or a change in the heat transfer and/or a deterioration of the fluidization behavior at said reactor; and switching on or off the bypass gas stream according to said analyzing.

5.(currently amended): A fluidized-bed reactor for oxychlorization of ethylene using catalyst granules subjected to abrasion, said reactor comprising:

a dome part;

at least one baseplate having filter cartridges in a said dome part of the reactor, wherein the filter cartridges are dipplable into an upper region of a fluidized bed of the fluidized-bed reactor, wherein a space in the dome part is divided, above the baseplate carrying the filter cartridges on a lower surface thereof, into at least two chambers, each having an outlet for a main gas stream to a quench vessel and for a bypass gas stream, said filter cartridges being assigned to the main gas stream; and

filter elements assigned to the bypass gas stream and having a pore size differing from that of the filter cartridges for a controlled passage of dust particle fractions.

Claims 6-7.(cancelled)

8.(currently amended): The fluidized-bed reactor as claimed in claim 5 [[7]] wherein the ratio of said filter elements allowing through dust particles to said filter cartridges retaining the dust particles is within the ~~range~~ region of 1:9.

9.(previously presented): The fluidized-bed reactor as claimed in claim 5, further comprising a cleaning means using compressed gas pulses on the baseplate.

Claims 10-11. (cancelled).

12.(previously presented): The fluidized reactor of claim 5, wherein said filter cartridges are sintered metal filter cartridges.

13.(currently amended): A method of removing dust particles from a fluidized-bed reactor for oxychlorization of ethylene, comprising the steps of:

removing the fine dust particles collected in the fluidized-bed reactor via sintered metal filter cartridges from said reactor;

passing a reaction gas mixture from a dome part of said reactor to a quench vessel; and

removing a partial gas stream as a bypass gas stream in addition to a main gas stream out from said reactor, said bypass gas stream having a predetermined content of dust particles of a size which is smaller than a predetermined particle size,

wherein the main gas stream and the bypass gas stream are respectively from two spaces of the dome part separated from each other.